



Geospatial Information Infrastructure (GII)

How-To Guide

The GII provides a platform for shared and trusted geospatial data, services, and applications for use by the Homeland Security community.



What is the New GII?

The GII is a website and repository for the Homeland Security Information Network's GIS content. HSIN users will search for content, use it, and share it. The GII also puts GIS in the hands of people who might not otherwise have any experience with it. The website includes a search interface and a gallery of featured content. It also offers two view options: built in MapViewer or by using your local ArcGIS desktop installation.

Basemaps and Data Layers

The GII has 12 different basemaps to choose from or you can add your own. You choose a basemap, an area of interest, and add information layers. These layers can be HSIP data, ArcGIS Server services, KML documents, or OGC WMS services you find on the GII website, the web, or ArcGIS for Server. You can also create features and add features from text files, GPS files, and shapefiles. As for data file types, the GII supports several, as listed in the examples in the right-hand column.

The GII facilitates information sharing within your organization. Using the GII, you can do the following:

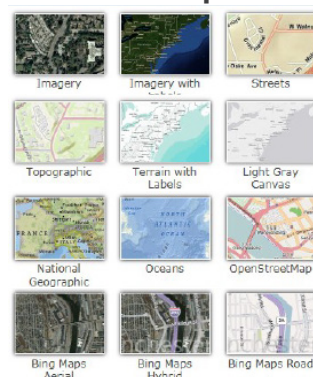
- Create, save, and share web maps
- Share links to GIS applications
- Share map and layer packages for use in ArcGIS for Desktop
- Search for GIS content within your organization

Additional Map Information:

- Editing existing maps created
- Updating existing maps
- Deleting maps

All of these actions can be completed by the user by clicking the 'My Content' link at the top of the page. There, the user's added data, created maps and folders are available for selection to edit, share, move or delete.

GII Basemaps



Example of Supported Types of Data Files:

- Delimited text file (.csv and .txt)
- Layer package (.lpx)
- ArcGIS Windows Mobile package (.wmpk)
- Map template (.zip)
- Desktop application template (.zip)
- Shapefile (.zip)
- Code sample (.zip)
- Workflow package (.wpx)
- GPS file (.gpx)

Contact Info:

Geospatial Management Office
gmo@hq.dhs.gov

Website: <https://hsin.dhs.gov/fed/GIS>

HSIN Outreach
HSIN.Outreach@hq.dhs.gov

Quick Reference for Adding Items

Once you have verified that you are signed in, open My Content and click the Add Item button. The Add Item window appears and you can proceed with one of the following three:

The 'Add Item' dialog box has a title bar with a close button. The main text says 'Add an item from your computer or reference an item on the Web.' Below this, there's a dropdown menu for 'The item is:' with 'On my computer' selected. A 'File:' field is followed by a 'Browse...' button. A link 'Supported Items' is present. The 'Title:' field has a placeholder 'Enter a title for this item'. The 'Tags:' field has a placeholder 'Separate tags with commas' and a link 'Choose from your tags'. At the bottom are 'Add Item' and 'Cancel' buttons.

Adding Files from your Computer:

1. Choose 'On my Computer' from the 'The item is' options.
2. Click the **Browse...** button and choose the file on your computer.
3. If you uploaded a template (.zip), choose Desktop Application template or Map template.
4. If you uploaded a code sample (.zip), choose the language of the sample.
5. Type a title.
6. Type tags. Alternatively, you can click the Choose from your tags link to open the list of tags you've used previously and choose the tags you want to use for this item.
7. Click the **Add Item** button.

The 'Add Item' dialog box has a title bar with a close button. The main text says 'Add an item from your computer or reference an item on the Web.' Below this, there's a dropdown menu for 'The item is:' with 'An application' selected. Below the dropdown are radio buttons for 'Web Mapping' (selected) and 'Mobile'. A 'URL:' field has a placeholder 'http://<myServerName>/<myApp>'. A link 'Supported Items' is present. Below it are dropdowns for 'Purpose:' (with 'Ready To Use' selected) and 'API:' (with 'JavaScript' selected). The 'Title:' field has a placeholder 'Enter a title for this item'. The 'Tags:' field has a placeholder 'Separate tags with commas' and a link 'Choose from your tags'. At the bottom are 'Add Item' and 'Cancel' buttons.

Adding Applications:

1. Choose 'An Application' from the 'The item is' options.
2. Choose the type of item:
 - ☐ Web Mapping ☐ Mobile
3. Choose the purpose of the application:
 - Ready to Use - Fully functioning website or mobile application
 - Configurable - Fully functioning application that can be deployed by configuring a file
 - Code Sample - Code for a specific piece of functionality, either as a live sample or a description of how to use the sample in an application
4. Choose the API used to create the application.
5. Type the URL of the application, for example, http://<myServer>/myWebMapApp.
6. Type a title.
7. Type tags. Alternatively, you can click the Choose from your tags link to open the list of tags you've used previously and choose the tags you want to use for this item.
8. Click the **Add Item** button.

The 'Add Item' dialog box has a title bar with a close button. The main text says 'Add an item from your computer or reference an item on the Web.' Below this, there's a dropdown menu for 'The item is:' with 'On the web' selected. Below the dropdown are radio buttons for 'ArcGIS Server web service' (selected), 'KML', and 'OGC (WMS)'. A 'URL:' field has a placeholder 'http://<myServerName>/arcgis/rest/services/<myServiceName>'. A link 'Supported Items' is present. The 'Title:' field has a placeholder 'Enter a title for this item'. The 'Tags:' field has a placeholder 'Separate tags with commas' and a link 'Choose from your tags'. At the bottom are 'Add Item' and 'Cancel' buttons.

Adding Items from the Web:

1. Choose 'On the Web' from the 'The item is' options.
2. Choose the type of item:
 - ☐ ArcGIS Server web service ☐ KML ☐ OGC (WMS)

For more information, see About ArcGIS Server services, About KML, and About OGC WMS.
3. Type the REST URL of the service, for example, http://myServer/map/wms/myService to add all layers within the service.

To find the REST URL of an ArcGIS Server service:

 - Open the Services Directory page, http://<server name>/<ArcGIS Server instance name>/restservices for example `http://<myServerName>/arcgis/rest/services/` and browse to the service you want to share.
 - You can then copy the URL from the browser's address bar.
4. If you added an OGC WMS, choose the layers you want to be visible.
5. Type a title.
6. Type tags. Alternatively, you can click the Choose from your tags link to open the list of tags you've previously used, and choose the tags you want to use for this item.
7. Click the **Add Item** button.